

Chapter 6 Appendix B State Mitigation Capability Assessment

Agency Name (Mission/Function) County of Hawaii	Programs, Plans, Policies, Regulations, Funding, or Practices	Point of Contact Name, Address, Phone, Email	Effect on Loss Reduction*			Comments
			Support	Facilitate	Hinder	
Building Division, Department of Public Works	<ul style="list-style-type: none"> Name of standard building code-UBC Version of code-1991 Year codes adopted-1993 Prescriptive provisions for dealing w/light wood frame and masonry construction in high wind areas-2425: not adopted, 2518: adopted Minimum wind speed in code-80 mph Compliance required for self-built structures-Yes Required building plans for single & multi-family structures needing permits-Yes Permitted structures requiring no plans-None Required stamp by architect or engineer on plans-Yes Exceptions to stamp requirement-R3 ≤ 1300; R3 & M1 ≤ 1800; non-residential: 1 story ≤ \$40 K; 2 story ≤ \$35 K Inspections performed by government employed building inspectors-No Approved non-government building inspectors Structural engineers; special requests & approval. Building permit fees required-Yes Rate of permit fees-Scaled for residential from \$10 for ≤ \$500 up to \$355 for first \$50 K, plus \$3 per \$1,000 Number of structural inspections for single family dwellings-4 Points in construction process for various inspections-foundation, framing, walls/ties, final Plans to adopt more recent versions of standard building codes-No Version of codes to be adopted-1997 UBC Other changes planned for next three years-Yes Types of changes to codes-In 1997 UBC (County adoption pending) increase in seismic zone from 3 to 4. Length of time for government review and adoption of new standard building codes-6 months NFIP minimum standards as part of permit system-Yes Administration of NFIP minimum standards-Chief engineer approval; floodplain administrator - permit review, mapping, & gathering info 	Brian Kajikawa, 961-8321	YES	YES		

Planning Department		Chris Yuen, 961-8288	YES	YES		
Civil Defense	<ul style="list-style-type: none"> Education is #1 priority: Center for Study of Active volcanoes at UH-H; special lectures; tsunami museum; DOE curriculum – earthquake exercise, faculty training Earthquake Advisory Board: increase awareness on zoning requirements through brochures distributed with building permit. 	Troy Kindred, 935-0031	YES	YES		
Flood Coordinator	<ul style="list-style-type: none"> Design for channelization of Waieka Stream being planned 	Kelly Gomes (Hilo) 961-8327 Kiran Emler (Kona) 327-3530	YES	YES		
Solid Waste/Division		Barbara Bell, 961-8083	YES	YES		
Wastewater/Division	<ul style="list-style-type: none"> Have developed emergency response plan 	Peter Boucher, 961-8338	YES	YES		
Housing Department	<ul style="list-style-type: none"> Code compliance of building codes (esp. to earthquake zones) 	Edwin Taira, 961-9379	YES	YES		
Information Services		Department of Data Systems, Clayton Yugawa, 961-8207				

U.S. Army Corps of Engineers	<ul style="list-style-type: none"> ▪ Palai Stream flood control –feasibility underway. ▪ Keopu-Hienaloli Stream flood control- feasibility underway ▪ Repairs to Paauau Stream, Waiakea-Uka Stream, Wailoa Stream, Alenaio Stream - in construction ▪ Hurricane Evacuation Study for County of Hawaii- starting. ▪ Waiakea Stream Flood Control - feasibility pending agreement with County. ▪ Holualoa Flood Hazard Special Study- underway Upper Alenaio Stream (FEMA Flood Insurance) ▪ Palai Stream flood control – completed reconnaissance, pending further review. ▪ Hilo Light Draft Harbor – starting reconnaissance ▪ Tie-down of propane tanks (MAP) ▪ Upgrade of Seismic Zone (MAP) ▪ Hardening Koloa Fire Station Doors (HMGP) ▪ Hardening sewage treatment plants (HMGP) ▪ Pacific Tsunami Museum outreach/education (HMGP) ▪ Retrofit Hilo Central Fire Station (HMGP) ▪ Videotape on Volcanic and Seismic Hazards (HMGP) ▪ Breathing Protection for school Students, Teachers, and Staff (HMGP) ▪ UH-H Outreach Programs on 5 major hazards – including seminars for teachers, community groups, schools, and teacher training (HMGP) 	Paul Mizue, 438-8880	YES	YES		
Coastal Zone Management	<ul style="list-style-type: none"> ▪ Hawaii Shoreline Erosion Management Study ▪ Aerial Photograph Analysis of Coastal Erosion... 		YES	YES		
Electric Utility		HELCO				
Phone Company		Nextel, 800-947-8500 Cingular, 639-5000 Verizion, 245-6654 Windward Wireless, 823-8801				

Agency Name (Mission/Function) City and County of Honolulu	Programs, Plans, Policies, Regulations, Funding, or Practices	Point of Contact Name, Address, Phone, Email	Effect on Loss Reduction*			Comments
			Support	Facilitate	Hinder	
Building Department	<ul style="list-style-type: none"> Name of standard building code-UBC Version of code-1991 Year codes adopted-1994 Structural design provisions amended-No Prescriptive provisions for dealing w/light wood frame and masonry construction in high wind areas-Yes Minimum wind speed in code-80 mph Compliance required for self-built structures-Yes Required building plans for single & multi-family structures needing permits-Yes Permitted structures requiring no plans-None Required stamp by architect or engineer on plans-Yes Exceptions to stamp requirement-1 story \leq \$40K; 2+ stories \leq \$35 K Inspections performed by government employed building inspectors-Yes Approved non-government building inspectors-Special inspection for sheathed shear walls, diaphragms, uplift ties, etc., acc. to UBC Sec 306. Building permit fees required-Yes Rate of permit fees- scaled for residential. Begins at \$8 for \leq \$500 Number of structural inspections for single family dwellings-4 Points in construction process for various inspections- foundation, framing, fire rated walls, final Plans to adopt more recent versions of standard building codes-Yes Version of codes to be adopted-1994 Anticipated date for adoption of new codes-2003 Other changes planned for next three years-No Length of time for government review and adoption of new standard building codes-18 months NFIP minimum standards as part of permit system-Yes Administration of NFIP minimum standards-Permits; districting; penalties 	Wayne Inoyue, 523-6308	YES	YES		
Planning Department		Department of Planning and Permitting, Eric Crispin, 523-4432				
Emergency Management		Peter Hirai, 523-4122				
Flood Coordinator		Mario Siu-Li, 523-4247				

Solid Waste/Division	<ul style="list-style-type: none"> National Disaster Debris Management Plan 	John Lee, Refuse Division, 692-5358	YES	YES		
Information Services		Ken Schmidt, Department of Planning, 527-6012				
U.S. Army Corps of Engineers	<ul style="list-style-type: none"> Waolani Stream (FEMA Flood Insurance) Ala Wai Canal –joint flood control & ecosystem project in feasibility. Kahuku Area- joint flood control & ecosystem project - feasibility underway Waialele Stream flood control – feasibility underway Barbers Point harbor – feasibility investigations underway Wailupe Stream - design report pending agreement with City/State Kuliouou Stream Flood Control - pending feasibility start. Hauula/Punaluu/Kaaawa Shore Protection – completion of construction documents on hold pending real estate acquisition Waikiki Erosion Control - in initial reevaluation report stage. Waimanalo Stream & Reservoir Flood Hazard Study- starting Paukaulia Stream Special Study – flood plain study Waolani Stream (FEMA Flood Insurance) Ala Wai Canal – floodplain study (with state) Barbers Point harbor – feasibility investigations underway (with state) Makaha coast shore protection – reconnaissance stage Haleiwa/Waialua Flood control – completed reconnaissance, on hold pending funding Waialele Stream flood control – completed reconnaissance, on hold pending funding Honolulu Harbor – completing reconnaissance study Keehi Lagoon – starting reconnaissance Hauula/Punaluu/Kaaawa Shore Protection – completion of construction documents on hold pending real estate acquisition and completion of environmental documentation Lualualei Flood Control – technical study underway for drainage/flood control recommendations (with NRCS) <ul style="list-style-type: none"> Building 525, Fort Shafter preparing design for relocation & expansion of the Pacific Ocean Division/Honolulu Engineer District Emergency Operations Center Flood proofing Sunset Terrace (HMGP) Association Sewage Treatment Plant (HMGP)Hardening Honolulu Harbor Operations and Facilities 	Paul Mizue, 438-8880	YES	YES		
Coastal Zone Management	<ul style="list-style-type: none"> Oahu Shoreline Study 		YES	YES		

Electric Utility	HECO <ul style="list-style-type: none"> Conducted joint exercise with state Civil Defense Completed <i>Emergency Response Plan</i>. Conducted “table top” exercise and a functional test with employees. 	Alva Nakamura 543-7070	YES	YES		
Phone Company	Hawaiian Tel AT&T Wireless 627-8500 Virtual wireless, 739-9677 Nextel, 262-8561 Sprint Hawaii/Sprint PCS, 800-480-4727					

Agency Name (Mission/Function) County of Kauai	Programs, Plans, Policies, Regulations, Funding, or Practices	Point of Contact Name, Address, Phone, Email	Effect on Loss Reduction*			Comments
			Support	Facilitate	Hinder	
Division of Building	<ul style="list-style-type: none">Name of standard building code-UBCVersion of code-1997 (with highway appendices)Year codes adopted-1999Structural design provisions amended-NoPrescriptive provisions for dealing w/light wood frame and masonry construction in high wind areas-YesMinimum wind speed in code-80 mphCompliance required for self-built structures-YesRequired building plans for single & multi-family structures needing permits-YesPermitted structures requiring no plans-NoneRequired stamp by architect or engineer on plans-YesExceptions to stamp requirement-1 story: \$40K; 2 stories: \$435 KInspections performed by government employed building inspectors-YesApproved non-government building inspectors-Special inspections in 1997 UBC, but not rigidly applied.Building permit fees required-YesRate of permit fees-Scaled for residential from \$10 for ≤ \$500 up to \$516 for first \$100 K plus \$3 per \$1,000Number of structural inspections for single family dwellings-6Points in construction process for various inspections-foundation slab\flooring, framing, load path\up lift ties, gypsum board\bath, finalPlans to adopt more recent versions of standard building codes-YesVersion of codes to be adopted-2003 1 BCAnticipated date for adoption of new codes-2005Other changes planned for next three years-NoLength of time for government review and adoption of new standard building codes-18 monthsNFIP minimum standards as part of permit system-YesAdministration of NFIP minimum standards-Building permit; Certificate of Occupancy; permit reviews; flood certification; penalties for non-compliance	Doug Haigh	YES	YES		

Planning Department		Ian Costa, 241-6677				
Civil Defense		Mark Marshall, 241-1800				
Flood Coordinator	<ul style="list-style-type: none"> NFIP standards (Ch.27, HI City Code) 	Wally Kudo, 241-6610	YES	YES		
Solid Waste/Division	<ul style="list-style-type: none"> Disaster Degree Action manual being compiled Debris management 	Troy Tanigawa, 241-6880	YES	YES		
Wastewater/Division		Ed Tschupp, 241-6610				
Housing Department		Ken Rainforth, 241-6445				
Information Services		Eric Knutzen, 241-6523 Department of Finance				
U.S. Army Corps of Engineers	<ul style="list-style-type: none"> Kikiaola Harbor –completing construction documents Nawiliwili Harbor - feasibility start pending agreement with State Hurricane Evacuation Study – coastal inundation and vulnerability components (with FEMA) Hardening of the Kauai War memorial Convention Hall (emergency shelter) (MAP) <ul style="list-style-type: none"> Survey of buildings and hotels for emergency shelters (MAP) Project Hoomalu (HMGP) Hardening essential facilities (HMGP) Hardening Anahola Community Center (emergency shelter) (HMGP) Hardening Pepeekeo Radio Relay Facility (HMGP) 	Paul Mizue, 438-8880	YES	YES		
Coastal Zone Management	<ul style="list-style-type: none"> Kauai Shoreline Erosion Management Study Aerial Photograph Analysis of Coastal Erosion... 		YES	YES		
Electric Utility		Kauai Island Electric Co				

Phone Company		Verizon, AT and T Wireless, 327-9300 Nextel, 331-1600 Hilo Kine Wireless, 96909649 Sperry Communications, 326- 2224 Voicestream's Wireless Paradise,				
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Agency Name (Mission/Function) County of Maui	Programs, Plans, Policies, Regulations, Funding, or Practices	Point of Contact Name, Address, Phone, Email	Effect on Loss Reduction*			Comments
			Support	Facilitate	Hinder	
Division of Public Works, Environmental Management. Division of Development Services Administration	<ul style="list-style-type: none"> Name of standard building code-UBC Version of code-1997 with amendments Year codes adopted-2000 Structural design provisions amended-No Prescriptive provisions for dealing w/light wood frame and masonry construction in high wind areas-Appendices adopted but provisions optional Minimum wind speed in code-80 mph Compliance required for self-built structures-Yes Required building plans for single & multi-family structures needing permits-Yes Permitted structures requiring no plans-None Required stamp by architect or engineer on plans-Yes Exceptions to stamp requirement-Per Hawaii Revised Statutes Section 464-13 Inspections performed by government employed building inspectors-Yes Approved non-government building inspectors Yes, for Special inspections required by Section 1707 	Clement Enomoto, 270-7236				
Division of Public Works, Environmental Management. Division of Development Services Administration (cont.)	<ul style="list-style-type: none"> Version of codes to be adopted-2000IBC Anticipated date for adoption of new codes-No set date Other changes planned for next three years-No Length of time for government review and adoption of new standard building codes-18 months NFIP minimum standards as part of permit system-Yes Administration of NFIP minimum standards-Department of Planning, Special Flood Hazard Area Development Permit, flood map revisions Building permit fees required-Yes Rate of permit fees-Scaled for residential from \$15 for ≤ \$500; \$639.50 for first \$100 K to \$500 K, plus \$3.50 per \$1,000 Number of structural inspections for single family dwellings-2 		YES	YES		

Planning Department	<ul style="list-style-type: none"> ▪ Points in construction process for various inspections ▪ Fire rated walls, final, framing, foundation ▪ Plans to adopt more recent versions of standard building codes-Yes ▪ Amending shoreline rules with Dr. Fletcher for most populated areas of island ▪ Participate in Project Impact Conference in 2000 in Wash, D.C. ▪ Working on photo of shoreline structures and determine conformity of irrigation lines and shoreline structures ▪ Modify shoreline area rules (Ch. 203, Maui Planning Commission). Stricter development standards within shoreline setback. ▪ <i>Beach Management Plan</i> received County Council endorsement. ▪ Updated Flood Hazard Ordinance to comply with FEMA after H. Iniki. 	Clayton Yoshida (270-7735)	YES	YES		
Civil Defense		Kyle Watanabe (243-7285)				
Flood Coordinator		Francis Cerizo, 270-7771				
Solid Waste/Division		John Harder, Chief Solid Waste Division 270-7881				
Wastewater/Division	<ul style="list-style-type: none"> ▪ Attended conference for Emergency Preparedness ▪ Have developed emergency response plan 	Tracey Takimine, 270-7421	YES	YES		
Housing Division		270-7805				

Information Services		Department of Management Information Services, Jacob Verkerke, 270-7842				
U.S. Army Corps of Engineers	<ul style="list-style-type: none"> ▪ Iao Stream Modification – continuing design report ▪ Hurricane Evacuation Study -starting ▪ Maalaea Harbor – completing environmental documentation ▪ Kaumalapau Harbor (Lanai) – completing construction documents ▪ Launiupoko Shore Protection – under construction. ▪ Kahului Light Draft Harbor – completing construction documents ▪ Kahoolawe SBH- reconnaissance underway ▪ Kapaakea Stream - reconnaissance underway ▪ Kihei Area Erosion - reconnaissance underway ▪ Hurricane Evacuation Study – (with FEMA, pending 3/99 interagency decisions) ▪ Hanalei River, Maui Floodway (FEMA Flood Insurance) ▪ Wailuku River (FEMA Flood Insurance) ▪ Kuau Point (FEMA Flood Insurance) ▪ Iao Stream Modification – continuing feasibility investigations ▪ Kahului Harbor – starting reconnaissance ▪ Maalaea Harbor – completing environmental documentation ▪ Kaumalapau Harbor (Lanai) – completing construction documents ▪ Launiupoko Shore Protection – completing construction documents ▪ Kahului Light Draft Harbor – completing construction documents ▪ Survey of buildings and hotels for emergency shelters (MAP) ▪ Hardening Maui Memorial Medical Center (HMGP) 	Paul Mizue, 438-880	YES	YES		
Coastal Zone Management	<ul style="list-style-type: none"> ▪ Ariel Photograph Analysis of Coastal Erosion 		YES	YES		
Electric Utility		MECO				

Phone Company		AT and T Wireless, 871-2111 Nextel, 800-639-8359 Sprint, 566-9479 Verizon Wireless, 1-800-256-4646 Voice Stream 808-873-3260				
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